

WHAT IS CLAIMED IS:

1. A calibration pattern unit which obtains
correction information of an imaging system by imaging
at the imaging system and is formed by combining
5 a plurality of three-dimensionally arranged planes,
the unit comprising:

supporting members each of which has a predeter-
mined surface corresponding to one of the planes; and

a calibration pattern in which a predetermined
10 pattern is formed on the predetermined surface of the
supporting member, wherein

the supporting member can selectively set
the calibration pattern unit to a first form for
photographing when the correction information is
15 obtained, and a second form for other purposes.

2. The unit according to claim 1, wherein
a volume occupied by the first form is larger than
that occupied by the second form.

3. The unit according to claim 2, wherein
20 in the first form, normals of the predetermined
surfaces constituting the supporting members are
arranged orthogonally to one another.

4. The unit according to claim 1, wherein
in the second form, the predetermined surfaces
25 constituting the supporting members are arranged
roughly in parallel with one another.

5. The unit according to claim 1, wherein

in the second form, a surface of the supporting member in which the calibration pattern is not formed is exposed to the outside.

5 6. The unit according to claim 5, further comprising:

protection sections configured to prevent direct contact between the supporting member and the calibration pattern and between the calibration patterns themselves in the second form.

10 7. The unit according to claim 5, further comprising:

spacer sections configured to prevent contact between the supporting member and the calibration pattern and between the calibration patterns themselves
15 in the second form.

8. The unit according to claim 1, further comprising:

connection sections which can separate and rejoin the plurality of supporting members from/to one
20 another.

9. The unit according to claim 1, further comprising:

connection sections configured to change relative positions and postures of the predetermined surfaces of
25 the supporting members while the predetermined surfaces are connected.

10. The unit according to claim 9, further

comprising:

fixing tools configured to fix relative positions of the predetermined surfaces of the supporting members.

5 11. The unit according to claim 1, further comprising:

 folding sections configured to change relative positions and postures of the predetermined surfaces of the supporting members without releasing connection
10 between the predetermined surfaces themselves.

 12. The unit according to claim 11, further comprising:

 fixing tools configured to fix relative positions of the predetermined surfaces of the supporting
15 members.

 13. A calibration pattern unit which obtains correction information of an imaging system by imaging at the imaging system, comprising:

 supporting members each of which has a predetermined surface corresponding to one of one plane of
20 three-dimensionally arranged planes and one curved surface of three-dimensionally arranged curved surfaces; and

 a calibration pattern in which the predetermined pattern is formed on a predetermined surface of the
25 supporting member, wherein

 the supporting member has first use for

photographing when the correction information is obtained, and second use for other purposes.

14. The unit according to claim 13, wherein the second use is for packing the imaging system.

5 15. The unit according to claim 13, wherein the second use is for protecting the imaging system.

16. A calibration pattern unit which obtains correction information of an imaging system by imaging at the imaging system, comprising:

10 supporting members each of which has a predetermined surface corresponding to one of one curved surface of three-dimensionally arranged curved surfaces and one plane of three-dimensionally arranged planes; and

15 a calibration pattern in which a predetermined pattern is formed on the predetermined surface of the supporting member, wherein

the supporting member can selectively set the calibration pattern unit to a first form for photographing when the correction information is obtained, and a second form for other purposes.

20 17. A calibration pattern unit which obtains correction information of an imaging system by imaging at the imaging system, comprising:

a framework member with a flexibility;
a supporting member, made of a flexible material,

and configured to use a tensile force generated
by fixing the framework member in a predetermined
position to be formed in a shape combining one of
three-dimensionally arranged curved surfaces and
5 three-dimensionally arranged planes; and

a calibration pattern in which a predetermined
pattern is formed on a predetermined surface of the
supporting member.

18. The unit according to claim 17, wherein
10 the framework member and the supporting member can
be separated from each other.